

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/0/9,833A  
Source: 1FW0  
Date Processed by STIC: 3/24/06

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IFWO

## RAW SEQUENCE LISTING

DATE: 03/24/2006

PATENT APPLICATION: US/10/019,833A

TIME: 18:19:20

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\03242006\J019833A.raw

3 <110> APPLICANT: The Government of the United States of America as  
 4 represented by the Secretary of the Department of Health and  
 5 Human Services  
 6 Mukherjee, Anil B  
 7 Zheng, Feng  
 8 Zhang, Zhangjan

10 <120> TITLE OF INVENTION: UTEROGLOBIN IN THE TREATMENT OF IgA MEDIATED AUTOIMMUNE  
 DISORDERS

12 <130> FILE REFERENCE: 4239-61375-01  
 14 <140> CURRENT APPLICATION NUMBER: 10/019,833A  
 C--> 15 <141> CURRENT FILING DATE: 2001-10-18  
 17 <150> PRIOR APPLICATION NUMBER: PCT/US00/09979  
 18 <151> PRIOR FILING DATE: 2000-04-13  
 20 <150> PRIOR APPLICATION NUMBER: US 60/130,434  
 21 <151> PRIOR FILING DATE: 1999-04-21  
 23 <160> NUMBER OF SEQ ID NOS: 35  
 25 <170> SOFTWARE: PatentIn version 3.3  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 70  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Homo sapiens  
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 34 Glu Ile Cys Pro Ser Phe Gln Arg Val Ile Glu Thr Leu Leu Met Asp  
 35 1 5 10 15  
 38 Thr Pro Ser Ser Tyr Glu Ala Ala Asn Glu Leu Phe Ser Pro Asp Gln  
 39 20 25 30  
 42 Asp Met Arg Glu Ala Gly Ala Gln Leu Lys Lys Leu Val Asp Thr Leu  
 43 35 40 45  
 46 Pro Gln Lys Pro Arg Glu Ser Ile Ile Lys Leu Met Glu Lys Ile Ala  
 47 50 55 60  
 50 Gln Ser Ser Leu Cys Asn  
 51 65 70  
 54 <210> SEQ ID NO: 2  
 55 <211> LENGTH: 68  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Oryctolagus cuniculus  
 59 <400> SEQUENCE: 2  
 61 Gly Ile Cys Pro Arg Phe Ala His Val Ile Glu Asn Leu Leu Leu Gly  
 62 1 5 10 15  
 65 Pro Ser Ser Tyr Glu Thr Ser Leu Lys Glu Phe Glu Pro Asp Asp Thr  
 66 20 25 30  
 69 Met Lys Asp Ala Gly Met Gln Met Lys Lys Tyr Leu Asp Ser Leu Pro  
 70 35 40 45  
 73 Gln Thr Thr Arg Glu Asn Ile Asn Lys Leu Thr Glu Lys Ile Val Lys

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74      50      55      60
77 Ser Pro Leu Cys
78 65
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83 <212> TYPE: PRT
84 <213> ORGANISM: Rattus norvegicus
86 <400> SEQUENCE: 3
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89 1      5      10      15
92 Ser Glu Ser Asn Tyr Glu Ala Ala Leu Lys Pro Phe Asn Pro Ala Ser
93      20      25      30
96 Asp Leu Gln Asn Ala Gly Thr Gln Leu Lys Arg Leu Val Asp Thr Leu
97      35      40      45
100 Pro Gln Glu Thr Arg Ile Asn Ile Val Lys Leu Thr Glu Lys Ile Leu
101      50      55      60
104 Ile Ser Pro Leu Cys Glu Gln Asp Leu Arg Val
105 65      70      75
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 75
110 <212> TYPE: PRT
111 <213> ORGANISM: Mus musculus
113 <400> SEQUENCE: 4
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116 1      5      10      15
119 Ser Glu Ser Gly Tyr Val Ala Ser Leu Lys Pro Phe Asn Pro Gly Ser
120      20      25      30
123 Asp Leu Gln Asn Ala Gly Leu Gln Leu Lys Arg Leu Val Asp Ile Leu
124      35      40      45
127 Pro Gln Glu Thr Arg Ile Asn Ile Asn Lys Leu Leu Glu Lys Ile Leu
128      50      55      60
131 Thr Ser Pro Leu Cys Lys Gln Asp Leu Arg Phe
132 65      70      75
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 23
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
143 <400> SEQUENCE: 5
144 ttccaaggca gaacatttga gac 23
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 21
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
155 <400> SEQUENCE: 6
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161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
167 <400> SEQUENCE: 7
168 atcttgctta cacagaggac ttg                                     23
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 20
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
179 <400> SEQUENCE: 8
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183 <210> SEQ ID NO: 9
184 <211> LENGTH: 25
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
191 <400> SEQUENCE: 9
192 atcagagtct ggttatgtgg catcc                                 25
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
203 <400> SEQUENCE: 10
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208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
215 <400> SEQUENCE: 11
216 atggccttcc gtgttcctac                                       20
219 <210> SEQ ID NO: 12
220 <211> LENGTH: 26
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
227 <400> SEQUENCE: 12
228 gaaggtggtg aagcaggcat ctgagg                               26
231 <210> SEQ ID NO: 13

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234 <213> ORGANISM: Artificial sequence
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237 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
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243 <210> SEQ ID NO: 14
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
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255 <210> SEQ ID NO: 15
256 <211> LENGTH: 25
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
263 <400> SEQUENCE: 15
264 ggtgtcacgg aggccaccat tactg                                25
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268 <211> LENGTH: 19
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial sequence
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275 <400> SEQUENCE: 16
276 atgaaactcg ctgtcaccc                                    19
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281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Synthetic oligonucleotide primer
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288 tacacagtga gctttgggc                                    19
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292 <211> LENGTH: 9
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
299 <400> SEQUENCE: 18
301 Met Gln Met Asn Lys Val Leu Asp Ser
302 1                    5
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306 <211> LENGTH: 9
307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
313 <400> SEQUENCE: 19
315 His Asp Met Asn Lys Val Leu Asp Leu
316 1 5
319 <210> SEQ ID NO: 20
320 <211> LENGTH: 9
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
327 <400> SEQUENCE: 20
329 Met Gln Met Lys Lys Val Leu Asp Ser
330 1 5
333 <210> SEQ ID NO: 21
334 <211> LENGTH: 15
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
341 <400> SEQUENCE: 21
343 Asp Thr Met Asp Ala Gly Met Gln Met Lys Lys Val Leu Asp Ser
344 1 5 10 15
347 <210> SEQ ID NO: 22
348 <211> LENGTH: 11
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
355 <400> SEQUENCE: 22
357 Gly Met Ala Ser Lys Ala Gly Ala Ile Ala Gly
358 1 5 10
361 <210> SEQ ID NO: 23
362 <211> LENGTH: 10
363 <212> TYPE: PRT
364 <213> ORGANISM: Artificial sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: Synthetic anti-inflammatory peptide
369 <400> SEQUENCE: 23
371 Gly Ile Gly Lys Pro Leu His Ser Ala Gly
372 1 5 10
375 <210> SEQ ID NO: 24
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377 <212> TYPE: PRT
378 <213> ORGANISM: Artificial sequence
380 <220> FEATURE:

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VERIFICATION SUMMARY

DATE: 03/24/2006

PATENT APPLICATION: US/10/019,833A

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date